

JOHNSON

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10-1-12 between Sandra Johnson referred to here as "Landowner", and Nutri-Blend Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Goode Land, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
16-1-50			
16-1-59A			
16-1-59B			
16-1-59			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Sandra W. Johnson Sandra W. Johnson 6075 Ridge Rd
Landowner - Printed Name, Title Signature Mailing Address
Executive Columbia, VA 23038

Permittee:

Nutri-Blend Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Bill Burnett Bill Burnett PO Box 38060
Permittee - Authorized Representative Signature Mailing Address
Printed Name Richmond VA

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Goochland Co

Permittee: Nutri-Blend Inc. County or City: _____

Landowner: _____

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Andrew L. Taylor
Landowner's Signature

8-19-13
Date

Andrew L. Taylor
Operator's Name

Contact Number

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10-1-12 between Frederick & Sandra Johnson referred to here as "Landowner", and Nutri-Blend Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Gooseland, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>See Attach</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
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The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Frederick W Johnson Jedd Johnson

6075 Ridge Rd 23038

Landowner - Printed Name, Title

Signature

Mailing Address

Sandra W Johnson

Sandra W Johnson

Permittee:

Nutri-Blend Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

PO Box 38060

Richmond VA

Bill Burnett

Bill Burnett

Permittee - Authorized Representative
Printed Name

Signature

Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Goochland Co

Permittee: Nutri-Blend Inc. County or City: _____Landowner: Frederick & Sandra Johnson

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 36 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Frederick W Johnson & Sandra Johnson 8-19-2013
Landowner's Signature Date

2 of 2

Operator's Name

Contact Number

Landowner Coordination Form

Permittee: Nutri-Blend Inc.
County or City: Goochland County

(Signatures not required on this page)

[illegible]

Selected Parcel Feature

Parcel Map # (PIN2)	16-1-0-50-0
Geographic Parcel # (GPIN) (Click to Zoom)	5890-76-3612
# of Parts	
Account #	9738
Acreage	50.000
Property Street Number	3009
Property Street Name	LOWRY ROAD
Owner Name	JOHNSON SANDRA TRUSTEE
Mailing Address	6075 RIDGE ROAD
Mailing Address 2	
City	COLUMBIA
State	VA
Zip	23038
Instrument Number	-0
Deed Type	Deed Book
Plat Book	1
Plat Page	173
Legal Description	NE COLUMBIA50 ACFA#09-328 DB86 233 PB1 173
2013 Building Value	108500
2013 Yard Items Value	8600
2013 Land Value	49705
2013 Agricultural Credit	84045
Contact Assessor's Office for questions on Assessment Value at 556-5853 or WebPro - http://goochlandva.patriotproperties.com	

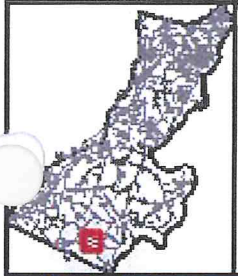
Selected Parcel Feature

Parcel Map # (PIN2)	16-1-0-59-A
Geographic Parcel # (GPIN) (Click to Zoom)	5890-89-8166
# of Parts	
Account #	9758
Acreage	24.810
Property Street Number	0
Property Street Name	LOWRY ROAD
Owner Name	JOHNSON SANDRA TRUSTEE
Mailing Address	6075 RIDGE ROAD
Mailing Address 2	
City	COLUMBIA
State	VA
Zip	23038
Instrument Number	-0
Deed Type	Deed Book
Plat Book	PCB
Plat Page	48
Legal Description	NE COLUMBIA24.81 ACFA#09-328 DB311 324 PCB48
2013 Building Value	0
2013 Yard Items Value	0
2013 Land Value	14934
2013 Agricultural Credit	62395
Contact Assessor's Office for questions on Assessment Value at 556-5853 or WebPro - http://goochlandva.patriotproperties.com	

Selected Parcel Feature

Parcel Map # (PIN2)	16-1-0-59-B
Geographic Parcel # (GPIN) (Click to Zoom)	5890-99-7022
# of Parts	
Account #	11651
Acreage	24.820
Property Street Number	3117
Property Street Name	LOWRY ROAD
Owner Name	JOHNSON SANDRA TRUSTEE
Mailing Address	6075 RIDGE ROAD
Mailing Address_2	
City	COLUMBIA
State	VA
Zip	23038
Instrument Number	-0
Deed Type	Deed Book
Plat Book	PCB
Plat Page	48
Legal Description	NE COLUMBIA24.82 ACFA #09-328 DB254 440 PCB48
2013 Building Value	7200
2013 Yard Items Value	8700
2013 Land Value	34975
2013 Agricultural Credit	41877
Contact Assessor's Office for questions on Assessment Value at 556-5853 or WebPro - http://goochlandva.patriotproperties.com	

Selected Parcel Feature	
Parcel Map # (PIN2)	16-1-0-59-0
Geographic Parcel # (GPIN) (Click to Zoom)	6800-07-5952
# of Parts	
Account #	9746
Acreage	100.000
Property Street Number	0
Property Street Name	LOWRY ROAD
Owner Name	JOHNSON SANDRA TRUSTEE
Mailing Address	6075 RIDGE ROAD
Mailing Address 2	
City	COLUMBIA
State	VA
Zip	23038
Instrument Number	-0
Deed Type	Deed Book
Plat Book	1
Plat Page	148
Legal Description	NE COLUMBIA100 AC PB 1 148FA #09-328 DB 393 510FA 35 158 293 503
2013 Building Value	0
2013 Yard Items Value	0
2013 Land Value	52306
2013 Agricultural Credit	171694
Contact Assessor's Office for questions on Assessment Value at 556-5853 or WebPro - http://goochlandva.patriotproperties.com	

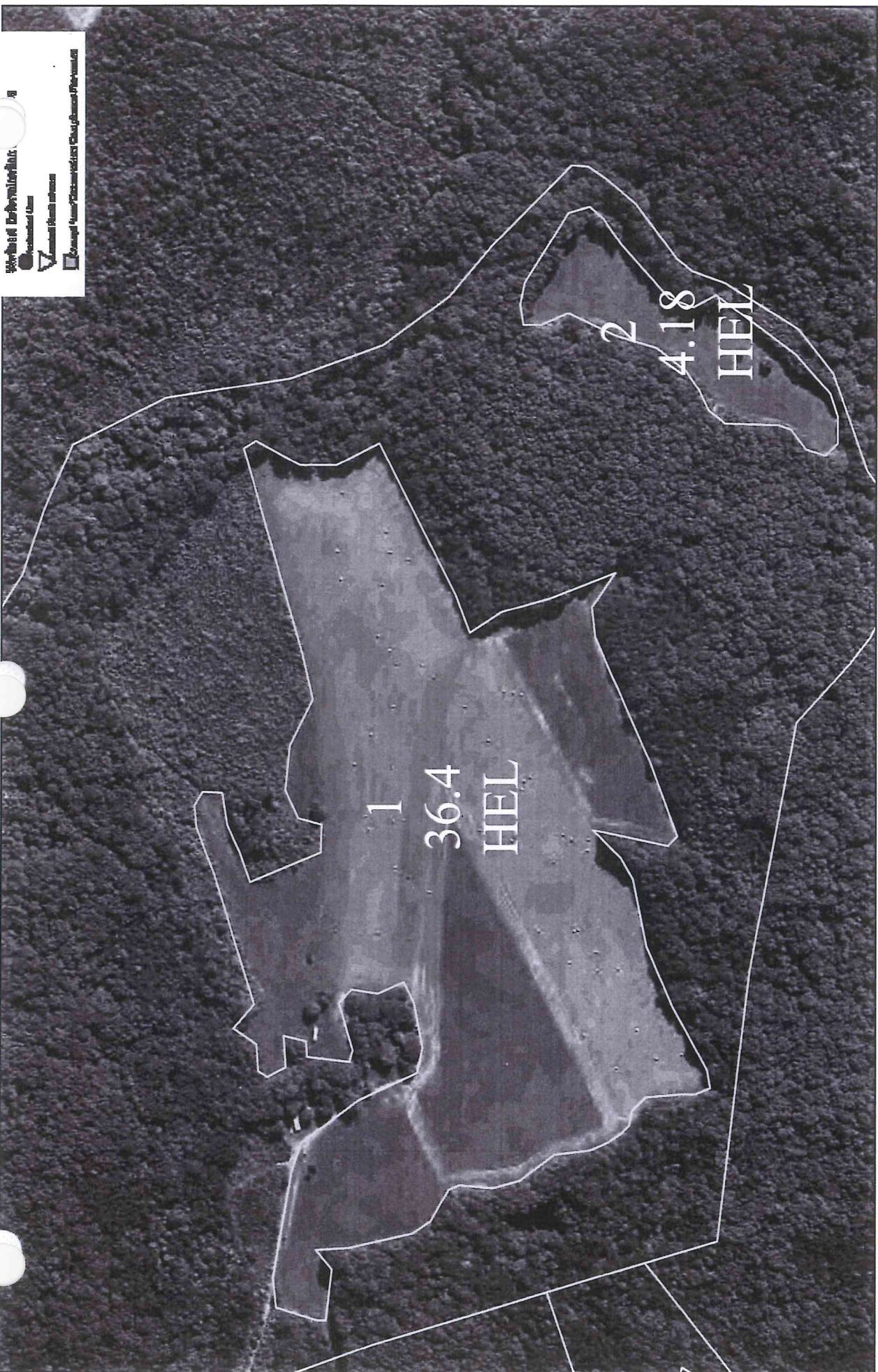


- * Road Labels
- * GPIN Parcel Labels
- * Parcel Labels
- Parcel
- Wetland
- 1" = 200' Orthophoto (2009)

Map Created Using:
Goodland County, Virginia GIS Website
Date Current Through 12-31-2009
© 2010 Goodland County, Virginia. All Rights Reserved.
Aerial Imagery © 2007 Goodland County, Virginia



Wetland Determination
 Wetland Line
 Wetland Area
 Wetland Area
 Wetland Area



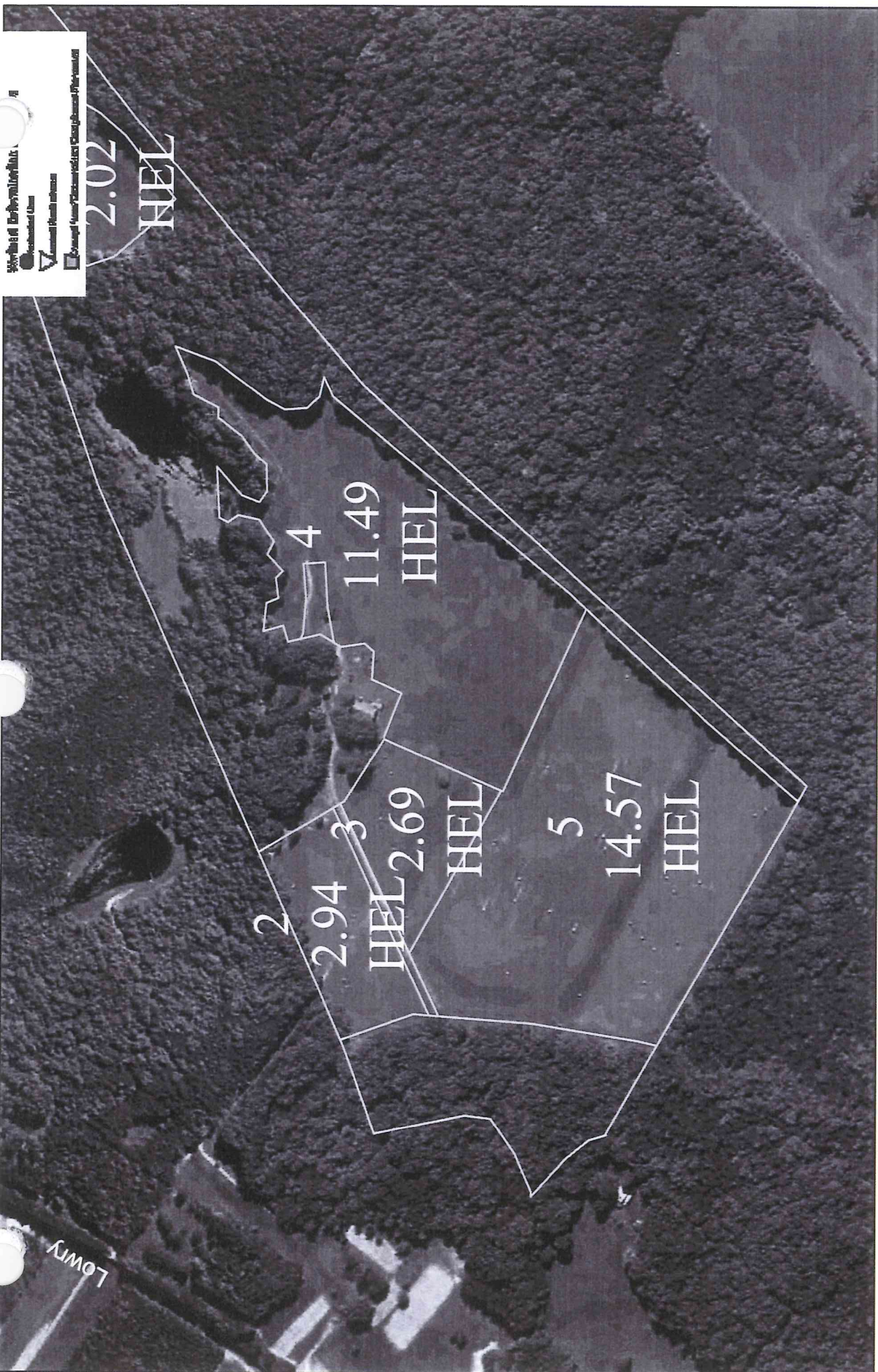
USDA FSA
 Goochland County, VA
 July 27, 2012


Farm: 1650
Tract: 1231

1 inch equals 332.138 feet

0 250 500 1,000 1,500 2,000 Feet

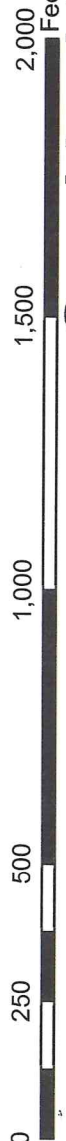
Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.





Farm: 1650
Tract: 1326

1 inch equals 332.138 feet

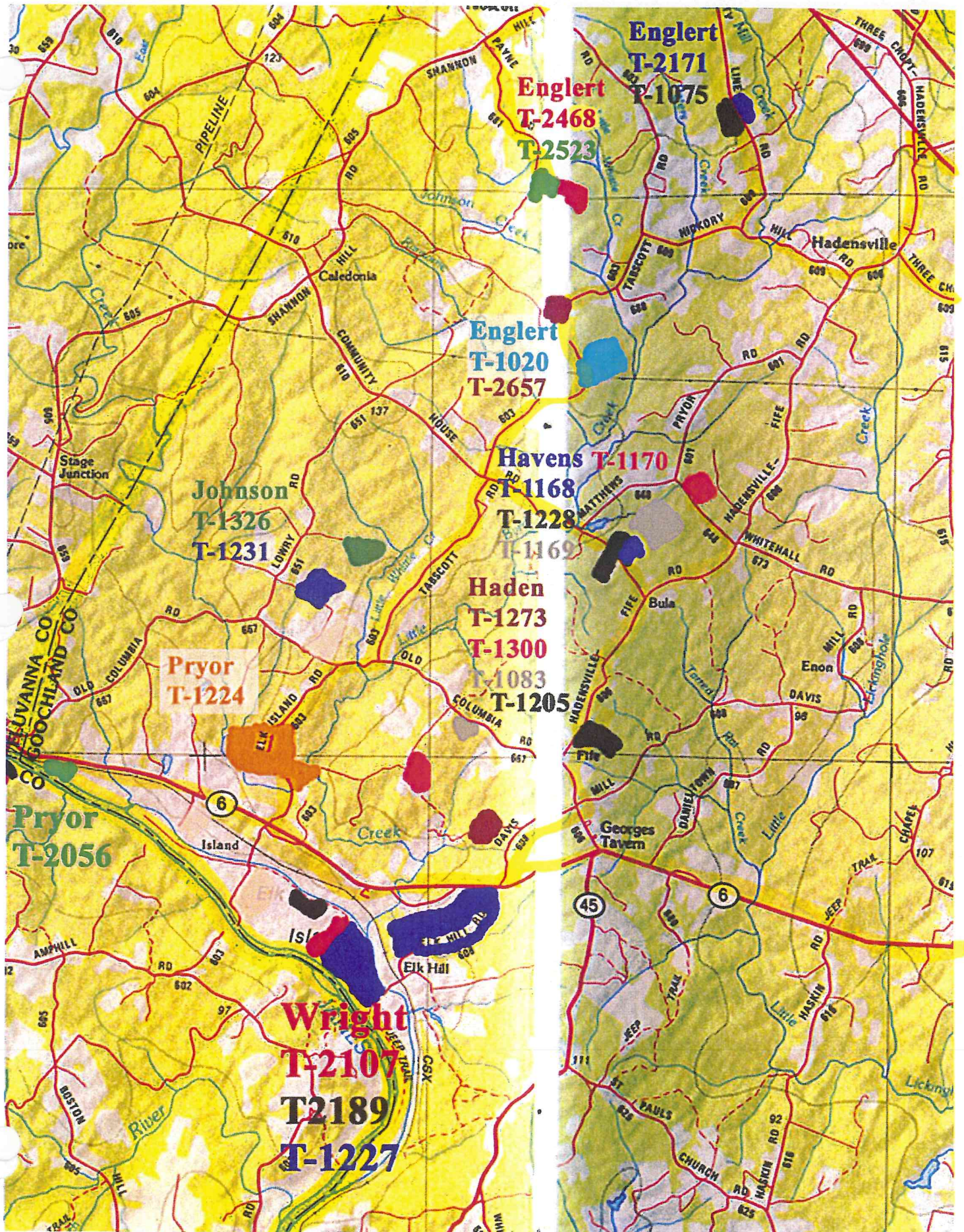


USDA FSA

Goochland County, VA

July 27, 2012

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area.
or to your original determination (CPA-026 and attached maps) for exar and
boundaries and determinations, or contact NRCS.

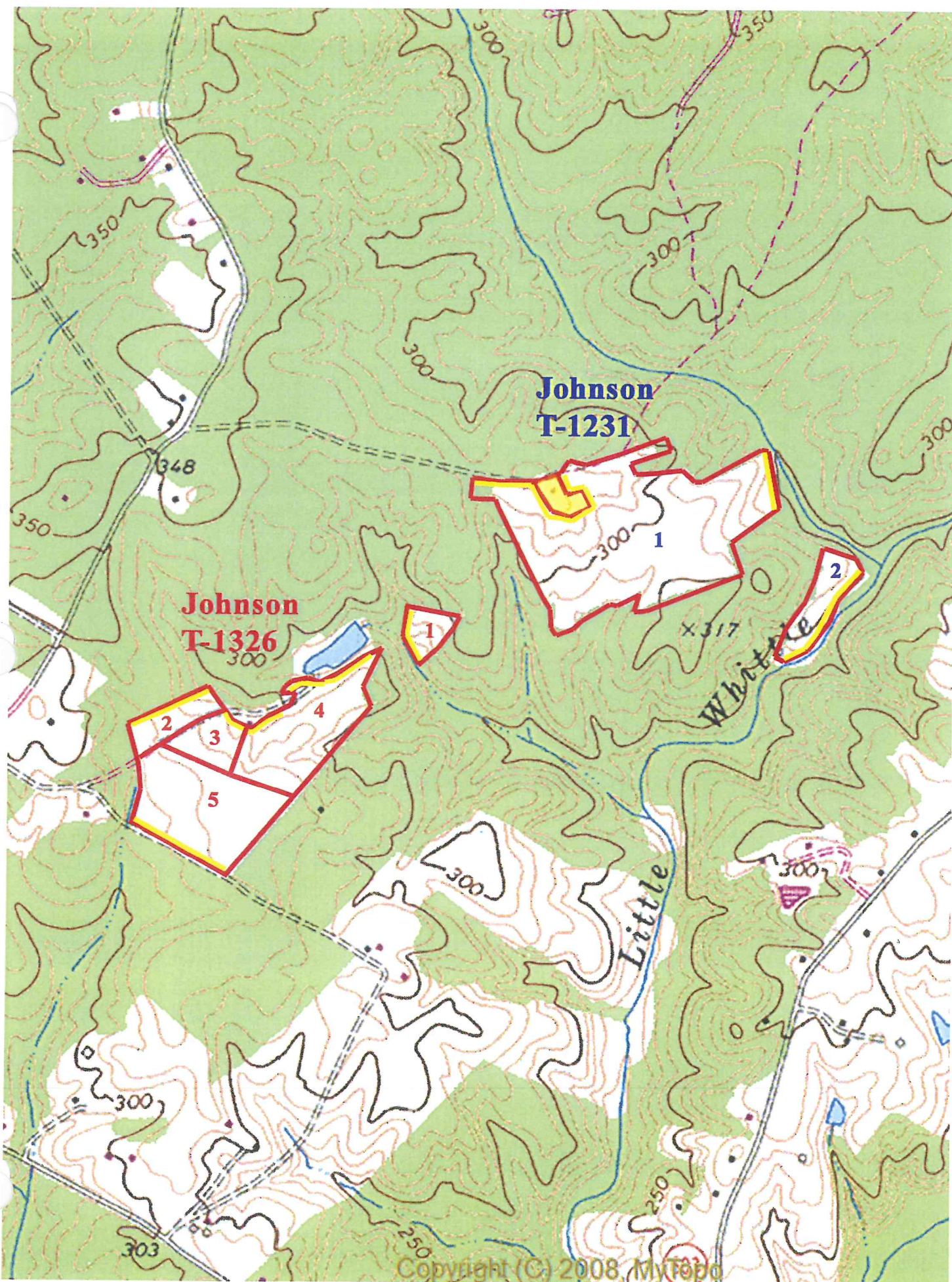


Johnson T-1231



Johnson T-1326





**Johnson
Tract T-1231
Field Data Sheet**

Field	Total	Tract Coordinates	
	Acres	Latitude	Longitude
1	36.4	37°46'51"	78°05'41"
2	4.2		
SUM	40.6		

**Johnson
Tract T-1326
Field Data Sheet**

Field	Total	Tract Coordinates	
	Acres	Latitude	Longitude
1	2.0	37°46'33	78°06'18"
2	2.9		
3	2.7		
4	11.5		
5	14.5		
SUM	33.6		